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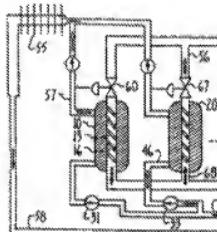
IMPROVED HEAT TRANSFER APPARATUS AND METHODS FOR SOLID-VAPOR SORPTION SYSTEMS

(EP-697085)

WÄRMEÜBERTRAGUNGSVORRICHTUNG UND VERFAHREN FÜR FESTSTOFF-DAMPF-SORPTIONSANLAGEN

(WO9427098)

In a sorption reaction system comprising one or more first reactors (10) in which a refrigerant is alternately adsorbed and desorbed, and one or more second reactors (20) in which a refrigerant is alternately desorbed and adsorbed, respectively, and having a cooling loop (16, 60, 68, 67, 56, 12, 21) for directing heat transfer fluid to and from said reactors (10, 20), a method of cooling an adsorbing reactor comprises directing liquid phase heat transfer fluid having a phase change from liquid to gas at a temperature or below the temperature of adsorption to an adsorbing reactor in heat exchange exposure to the adsorbent utilizing vaporized heat transfer fluid for driving the liquid heat transfer fluid in the cooling loop. The refrigerant may be used as the heat transfer fluid. The invention includes apparatus for carrying out the method.



STG:	Unexamined application			
AP :	1994CN-0192065 19940420			
HU73008	A2 19960628			
STG:	Examined patent application			
CZ9502850	A3 19960814			
STG:	Application for patent			
AP :	1995CZ-0002850 19940420			
JP8510045	T 19961022			
STG:	Unexam. Pat. Appl. On foreign appl.			
AP :	1994JP-0525445 19940420			
SG47748	A1 19980417			
STG:	Patent Application			
AP :	1995SG-0004165 19940420			
EP0697085	B1 19990901			
STG:	Patent			
AT184098	T 19990915			
STG:	EP Patent valid in AT			
AP :	1994AT-0914851 19940420			
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STG:	Granted EP number in bulletin			
AP :	1994DE-6020404 19940420			
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STG:	Patent for invention			
AP :	1995RU-0120603 19940420			
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STG:	Translation of granted European patent (former B3)			
AP :	1994ES-0914851 19940420			
DE69420404	T2 20000210			
STG:	Trans. Of EP patent			
HU219393	B 20010328			
STG:	Patent with search report			
CN1099563	C 20030122			
STG:	Granted patent			
JP3391795	B2 20030331			
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MC NL PT SE
OAPI patent : BF BJ CF CG CI CM GA GN ML MR NE SN TD
TG

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